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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,059	12/16/2004	Mitsuo Nakayama	1907-0219PUS1	3490

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EXAMINER	
CHEN, LUCY P	

ART UNIT	PAPER NUMBER
2871	

NOTIFICATION DATE	DELIVERY MODE
10/17/2007	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

# Office Action Summary

Application No.

10/518,059

Applicant(s)

NAKAYAMA, MITSUO

Examiner

Lucy P. Chien

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 02 August 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 December 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

Applicant's arguments with respect to claim 1-9 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claim 1-6,9** are rejected under 35 U.S.C. 103(a) as being unpatentable over Yajima et al (US 20020041268) in view of Peng (US 6466283).

#### Regarding Claim 1,9.

Yajima et al discloses (Fig. 13) direct backlight-type liquid crystal display device, including a liquid crystal panel (400), a plurality of lamps (35) which are disposed in the rear of the liquid crystal panel and arranged in parallel to the liquid crystal panel, a reflection plate (36) which is disposed in the rear of the lamps (35), and a die-cast frame (500) for supporting the reflection plate (36), wherein the die-cast frame is an integral structure comprising outer frame pieces (800, also shown below) having projecting pieces which project toward the liquid crystal panel and at least one or more linkage pieces (Fig. 12, 800 and 500)) which are provided for linking the longer sides of the outer frame pieces to each other (they all link to each other) ; an aperture space (space

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formed by the frame) which is enclosed by the outer frame pieces and the linkage pieces is formed; and a space for accommodating the lamps therein is formed by the projecting pieces.

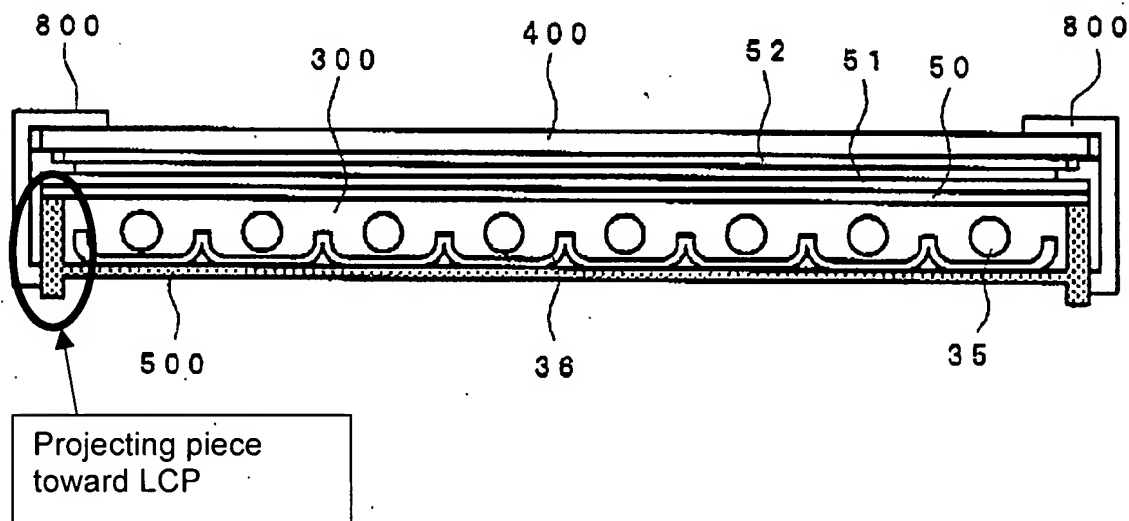
Yajima et al does not disclose a die cast frame made of lightweight metal.

Peng discloses using a lightweight metal such as aluminum to make a frame.

Therefore, to produce a light weight display frame (abstract).

It would have been obvious to one of ordinary skill in the art to modify Yajima et al to include a lightweight metal frame taught by Peng motivated by the desire to provide a light weight display (abstract).

**FIG. 13**



Regarding Claim 2,

In addition to Yajima et al and Peng as disclosed above, Yajima et al discloses (Fig. 12) wherein the linkage pieces (800,500) are provided with mount fixing portions (construed as the bottom frame and the liquid crystal frame coming together to mount all the layers together) for mounting the reflection plate.

Regarding Claim 3,

In addition to Yajima et al and Peng as disclosed above, Yajima et al discloses (Fig. 12) wherein the outer frame pieces are provided with mount fixing portions for mounting a frame of the liquid crystal panel.

Regarding Claim 4,

In addition to Yajima et al and Peng as disclosed above, Yajima et al discloses (Fig. 2) wherein the outer frame pieces are provided with through-holes through which lamp leads for connecting the lamps to a lamp lighting circuit board for driving the lamps are passed (is not shown but known in the art that lamps have drivers to provide it with electricity to function).

Regarding Claim 5,

In addition to Yajima et al and Peng as disclosed above, Yajima et al discloses (Fig. 12) wherein the linkage pieces are provided on the rear side thereof with mount fixing portions for mounting an electronic circuit board and/or a power supply board (construed as the bottom frame and the liquid crystal frame coming together to mount all the layers together).

Regarding Claim 6,

In addition to Yajima et al and Peng as disclosed above, Yajima et al discloses (Fig. 2) wherein the linkage pieces are provided on the rear side thereof with holding portions for holding (construed as the bottom frame and the liquid crystal frame coming together to mount all the layers together) leads which connect between electronic circuit boards and/or power supply board.

**Claim 7** is rejected under 35 U.S.C. 103(a) as being unpatentable over Yajima et al (US 20020041268) and of Peng (US 6466283) in view of Salimes et al (US 6476883).

Regarding Claim 7,

Yajima et al and Peng disclose everything as disclosed above.

Yajima et al and Peng do not disclose wherein the linkage pieces are provided on the rear side thereof with mount portions for mounting the liquid crystal display device on wall mount fittings.

Salimes et al (column 6, rows 50-65) discloses wherein the linkage pieces are provided on the rear side thereof with mount portions for mounting the liquid crystal display device on wall mount fittings.

It would have been obvious to one of ordinary skilled in the art to include Salimes et al's wall mounting to Yajima et al and Peng's display motivated by the desire to be able to mount the display to a wall.

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**Claim 8** is rejected under 35 U.S.C. 103(a) as being unpatentable over Yajima et al (US 20020041268) and of Peng (US 6466283) in view of Kuo (US 20030090864)

Regarding Claim 8.

Yajima et al and Peng disclose everything as disclosed above.

Yajima et al and Peng do not disclose not disclose wherein the linkage pieces are provided on the rear side thereof with mount portions for mounting the liquid crystal display device on a desk-top stand.

Kuo discloses wherein the linkage pieces are provided on the rear side thereof with mount portions for mounting the liquid crystal display device on a desk-top stand therefore user can place the display on their desk.

It would have been obvious to one of ordinary skilled in the art to include Kuo's desk stop stand mounted to Yajima et al and Peng's display motivated by the desire to place the display on the users desk.

**Conclusion**


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lucy P. Chien whose telephone number is 571-272-8579. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571)272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Lucy P Chien  
Examiner  
Art Unit 2871

  
ANDREW SCHECHTER  
PRIMARY EXAMINER